



**Massachusetts Department of Environmental Protection**  
**Environmental Results Program**  
**Compliance Certification Instructions**  
**Engines and Turbines (Non Emergency Units)**

## **1. What is the ERP Compliance Certification?**

Operators of new engines with a rated power output equal to or greater than 50 kW or new turbine with a rated power output less than or equal to ten megawatts constructed, substantially reconstructed, or altered after March 23, 2006 are required to certify to the Department of Environmental Protection (MassDEP) that they are complying with the environmental protection requirements that apply to their new engine or turbine. You must submit the initial compliance certification within 60 days of initial operation. The *certification forms* and the accompanying guidance materials have been designed to enable you to fill out the *ERP Certifications* by yourself.

MassDEP strongly advises you to review this material well in advance of the submittal deadline. While many facilities have all of the equipment they need to comply with environmental standards and are operating in compliance with the requirements, *some businesses may need to take additional steps to comply.*

The certification package has two parts:

1. **Compliance Certification:** The Installation Compliance Certification Form has three sections: *Facility Information* that identifies the facility and a contact person, *Compliance Questions*, which are a series of mostly “yes” or “no” questions about whether or not your facility is following the applicable environmental requirements, and a *Certification Statement* to be signed by the facility owner or certain other specified senior managers. A Return to Compliance Form describes the action(s) and deadline(s) for the action(s) you will take to return to compliance if you answer no to certain questions on the Installation Compliance Form.
2. **ERP Engine and Turbine Compliance Workbook:** The workbook contains the regulatory information you need to complete the Certification form and certify compliance with the applicable requirements.

## **2. Do I have to certify?**

The program applies to all new engines with a rated power output equal to or greater than greater than 50 kW or turbines with a rated power output less than or equal to ten megawatts constructed, substantially reconstructed, or altered after March 23, 2006

## **3. How do I submit a Compliance Certification?**

If ERP applies to your facility, you are required to complete an *Initial ERP Compliance* Certification form for each new engine or turbine within 60 days of starting operation and mail it to MassDEP.



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Certifications should be mailed to the following address:

MassDEP - ERP – E & T  
P.O. Box 120-165  
Boston, MA 02112-0165

A pre-addressed envelope has been enclosed in this package for your convenience.

**4. How do I fill out the Compliance Certification?**

1. Read the workbook to understand the environmental protection requirements that apply to your facility.
2. Answer all of the questions on the enclosed form. Refer to *Section 7* below, *Step by Step Instructions for Filling Out the ERP Compliance Certification* on page 3.
3. When you have answered all of the questions, sign the *Certification Statement*.
4. Make a copy of the complete package for your records.
5. Mail the package in the enclosed envelope (or another envelope if you have misplaced the one included with the package) to the above address.

**5. Does the Compliance Certification cover all compliance requirements?**

Some facilities may be subject to additional state, federal or local environmental standards that are not covered by the *Compliance Certification*. You still must comply with these requirements, even though they are not included on the Certification. Additional state requirements that may apply to your facility include air pollution control (source registration), industrial wastewater, or hazardous waste management requirements for activities other than emergency engine or emergency turbine operation or other regulatory programs including: reporting and planning under the Toxics Use Reduction Act<sup>1</sup>, water supply cross connections<sup>2</sup>, ground water withdrawal permits<sup>3</sup>; wetlands and waterways protection requirements<sup>4</sup>, and hazardous waste site clean up requirements<sup>5</sup>. If you think any of these programs might apply to your business, you can get more information on applicability and compliance requirements from MassDEP's **InfoLine** at (800) 462-0444 or (617) 338-2255.

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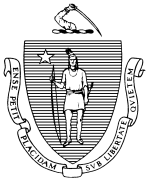
<sup>1</sup> You may be subject to the Toxics Use Reduction Act if you use more than 10,000 pounds per year of a toxic chemical listed on the Federal CERCLA or EPCRA chemical lists. Chemical MSDSs state whether a chemical is on one of these lists.

<sup>2</sup> You may be subject to water supply cross connection regulations if you are required to have a backflow prevention device which prevents wastewater from being pulled back into your water supply lines.

<sup>3</sup> You may be subject to groundwater withdrawal regulations if you take your process water from an onsite, private well.

<sup>4</sup> You may be subject to wetlands and waterways regulations if you are doing construction in or near a wetland or in a tideland, or if you have a Tidelands License under Chapter 91.

<sup>5</sup> You may be subject to hazardous waste site clean up requirements if there has been a spill or release of a hazardous waste or chemical on your property, or if you are undertaking a remedial action to clean up hazardous wastes.



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**6. What is my ERP certification fee?**

There is **no** fee associated with the *ERP Engine or Turbine Compliance Certification*.

**7. Step by step instructions for filling out the Compliance Certification**

**Facility Information**

This section lists the name and address of your business, the individual MassDEP should contact if there are questions about your *Certification*, your Federal Employer Identification number (FEI) from your state and Federal income tax forms, and a Facility Identification Number (Facility ID) that MassDEP has assigned to your facility. Then add your FEI, the business's phone number, and name and business phone number for the contact person in the space provided. If your form does not have a preprinted label, put your facility's name, address, FEI, business phone number, and the contact person information in the appropriate spaces. Please leave the space for the Facility ID blank if you do not have a preprinted label.

**Compliance Questions**

These questions provide MassDEP with some background information about your engine or turbine and information about following the environmental protection standards and requirements that apply to it. The workbook contains the information you will need to determine how to answer the questions. The form tells you where in the workbook you can find information about the environmental requirements referred to in each question. *MassDEP strongly advises you to consult the workbook before answering any questions.* Most of the questions are "yes" or "no" questions about compliance with particular requirements or standards.

If you are NOT in compliance with the requirement on the date you certify, you must complete a *Return to Compliance Plan* and submit it with the *Initial Compliance Certification*.

- Please note that it is your responsibility to keep your facility in compliance with environmental protection requirements at all times. You may be subject to enforcement action if you do not comply with the standards. You should be able to come into compliance with all of the standards by the time you complete the certification. Return to Compliance Plans are needed only for those problems that you were unable to correct prior to certifying.



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***Certification Statement***

The *Certification Statement* is a preprinted statement which says that the person signing the form:

- has reviewed it,
- believes the information being submitted is true,
- will make sure that management systems are in place that will keep the facility in compliance with environmental protection requirements, and
- understands that there may be serious consequences for submitting false inaccurate or incomplete information to MassDEP.

The statement may only be legally signed by the facility owner or certain other types of senior managers. The types of managers that are allowed to sign the statement are listed below the space for the signature. The person who signs the form must also print or type his or her name and title on the appropriate lines, date the form, and check the space next to the type of manager he or she is. Note that you must hold one of the titles listed on the form to legally sign it.



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Facility Name \_\_\_\_\_

MassDEP Facility ID# (if known) \_\_\_\_\_

## A. Facility Information

**Important:**

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Facility Location:

Facility Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip Code \_\_\_\_\_

Federal Employer ID # (FEIN) \_\_\_\_\_

2. Mailing Address and Contact Information:

Street/PO Box: \_\_\_\_\_

Email Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip Code \_\_\_\_\_

Telephone Number \_\_\_\_\_

Fax Number \_\_\_\_\_

Contact Person Name \_\_\_\_\_

Contact Person Title \_\_\_\_\_

## B. Compliance Information

Complete and submit an Initial Compliance Certification form for *each* new engine or turbine that is subject to the Environmental Results Program (ERP) for Engines or Turbines (EOT). Answer all questions. **IMPORTANT NOTE:** Answering NO to certain questions requires completion of the Return to Compliance form. In these cases, the notation "RTC" appears next to NO.

Manufacturer of Unit \_\_\_\_\_

Model \_\_\_\_\_

Serial # \_\_\_\_\_

EOT ID # \_\_\_\_\_

Rated Power Output  
(Kilowatts) \_\_\_\_\_

Date Installed \_\_\_\_\_

- |  |   |                             |
|--|---|-----------------------------|
| 1. Is the new unit an engine?                    | <input type="checkbox"/> Yes – Go to Question 3 | <input type="checkbox"/> No |
| 2. Is your new unit a turbine?                   | <input type="checkbox"/> Yes                    | <input type="checkbox"/> No |
| 3. Is the primary fuel to be burned natural gas? | <input type="checkbox"/> Yes                    | <input type="checkbox"/> No |
| 4. Is the primary fuel to be burned fuel oil?    | <input type="checkbox"/> Yes                    | <input type="checkbox"/> No |

5. What is the sulfur content of the fuel oil? \_\_\_\_\_

Workbook Section 2.2      Parts Per Million (PPM)



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**B. Compliance Information** (continued)

6. For your engine or turbine burning natural gas, have you attached a *Supplier Certification of Emission Performance Form* from your supplier that the engine or turbine meets the applicable emission limitations at the time of installation and is capable of compliance with the emission limitations for the lesser of 15,000 hours of operation or the first three years of operation? ☐ Yes ☐ No – RTC

*Workbook Section 2.1.*

7. On and after July 1, 2007: Are you only accepting delivery of fuel that meets the sulfur content requirements pursuant to 40 CFR 80.29, 40 CFR 80.500, and 40 CFR 520(a) and (b) as in effect January 18, 2001? ☐ Yes ☐ No – RTC

*Workbook Section 2.2.*

- 8a. Is your exhaust stack configured to discharge the combustion gases vertically and is not equipped with any part or device that restricts the vertical exhaust flow of the emitted combustion gases, including but not limited to rain protection devices "shanty caps" and "egg beaters"? ☐ Yes ☐ No – RTC

*Workbook Section 2.4.*

- 8b. Have you located your unit such as to minimize emission impacts upon sensitive receptors including, but not limited to, people, windows and doors that open, and building fresh air intakes by employing good air pollution control engineering practices? Such practices include avoiding locations that may be subject to down wash of the exhaust and providing sufficient stack height to minimize flue gas impacts upon sensitive receptors. ☐ Yes ☐ No – RTC

*Workbook Section 2.4*

**For questions 8c, 8d and 8e, answer only the question that applies to your unit's power output rating.**

- 8c. If your unit has a power output rating of less than 300 kilowatts, is your stack height a minimum of five feet above the facility rooftop or unit enclosure whichever is lower? ☐ Yes – Go to Question 11 ☐ No – RTC

*Workbook Section 2.4*

- 8d. If your unit has a power output rating of 300 kilowatts or greater but less than one megawatt, is your stack height a minimum of ten feet above the facility rooftop or unit enclosure whichever is lower? ☐ Yes – Go to Question 11 ☐ No – Go to Question 9

*Workbook Section 2.4.*



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**B. Compliance Information** (continued)

- 8e. If your unit has a rated power output of one megawatt or greater, is the height of your stack at least greater than 1.5 times greater than the height of your building or lower than the height of a structure that is within 5L of the stack (5L being five times the lesser of the height or maximum projected width of the structure? *Workbook Section 2.4.* ☐ Yes – Go to Question 11 ☐ No – Go to Question 9
9. If you answered No to Question 8e, have you performed an analysis using an EPA dispersion model to determine that your emissions will not cause a violation of the National Ambient Air Quality Standards? *Workbook Section 2.4. See Appendix 1 for data needs.* ☐ Yes ☐ No – RTC
10. Did the analysis demonstrate that the stack emissions do not cause a violation of the National Ambient Air Quality Standards? ☐ Yes ☐ No – RTC
11. Is your unit designed and have you located your unit such that when operated, sound impacts upon sensitive receptors will be minimized and will not cause a condition of air pollution? *Workbook Section 2.5.* ☐ Yes ☐ No – RTC
12. Has your organization put in place procedures to maintain records as listed in Section 2.6 of the workbook? ☐ Yes ☐ No – RTC



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\_\_\_\_\_  
Facility Name

\_\_\_\_\_  
MassDEP Facility ID# (if known)

**C. Certification Statement**

Note: Complete all required forms before signing this statement

"I attest under the pains and penalties of perjury:

- I. That I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification statement;
- II. That, based on my inquiry of those individuals responsible for obtaining the information, the information contained in this submittal is, to the best of my knowledge, true, accurate, and complete;
- III. That systems to maintain compliance are in place at the facility and will be maintained even if processes or operating procedures are changed; and
- IV. That I am fully authorized to make this attestation on behalf of this facility.

I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print First Name

\_\_\_\_\_  
Print Last Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date of Certification (MM/DD/YYYY)

**Source of Signatory Authority:**

**If a Corporation:**

☐ President

☐ Secretary

☐ Treasurer

☐ Vice President (if authorized by corporate vote)

☐ Representative of the above (if authorized by corporate vote and if responsible for overall operation of the facility)

**If a Partnership:**

☐ General Partner

**If a Sole Proprietorship:**

☐ Proprietor

**If a Municipality or Public Agency:**

☐ Principal Executive Officer

☐ Ranking Elected Official (empowered to enter into contracts on behalf of the municipality or public agency)